

Recombinant Rat Mmp9 protein, His-tagged

Cat. No. Mmp9-436R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Mmp9 (P50282) aa. (Gly213~Met422) fused with His tag was produced in Yeast cells.
Species	Rat
Source	Yeast
ProteinLength	Gly213~Met422
Description	metalloproteinase involved in extracellular matrix remodeling and bone resorption
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 24.3kDa; Accurate Molecular Mass: 24kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%
Characteristic	Isoelectric point is 4.9.
Applications	SDS-PAGE; WB; ELISA; IP; CoIP; EMSA; Reporter Assays; Purification; Amine Reactive Labeling

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200ug/mL
Storage buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex

GENE INFORMATION

Gene Name	Mmp9 matrix metalloproteinase 9 [Rattus norvegicus (Norway rat)]
Official Symbol	Mmp9
Synonyms	Mmp9; matrix metalloproteinase 9; 92 kDa gelatinase; 92-kDa type IV collagenase; GELB; MMP-9; gelatinase B; matrix metalloproteinase 9 (gelatinase B, 92-kDa type IV collagenase)
Gene ID	81687
mRNA Refseq	NM_031055.1
Protein Refseq	NP_112317.1

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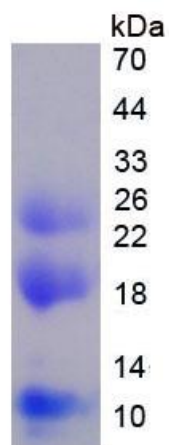
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UniProt ID

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SDS-PAGE

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